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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2011; month=7; day=25; hr=12; min=14; sec=7; ms=538;]

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Application No: 10581431

Version No: 6.1

Input Set:**Output Set:****Started:** 2011-07-25 12:11:31.365**Finished:** 2011-07-25 12:11:33.437**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 72 ms**Total Warnings:** 31**Total Errors:** 0**No. of SeqIDs Defined:** 78**Actual SeqID Count:** 78

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W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
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W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
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Input Set:

Output Set:

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Finished: 2011-07-25 12:11:33.437
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 72 ms
Total Warnings: 31
Total Errors: 0
No. of SeqIDs Defined: 78
Actual SeqID Count: 78

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> The Scripps Research Institute
Barbas III, Carlos F.
Chung, Junho

<120> INTEGRIN ALPHA.IIb.BETA.3 SPECIFIC ANTIBODIES AND PEPTIDES

<130> TSRI 1019.1 US

<140> US 10/581,431

<141> 2004-12-03

<150> US 60/526,859

<151> 2003-12-03

<150> PCT/US2004/040381

<151> 2004-12-03

<160> 78

<210> 1

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> HCDR3 part

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<212> PRT

<213> Artificial Sequence

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<223> HCDR3 part

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<210> 3

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

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<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

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Val	Gly	Xaa	Xaa	Xaa	Arg	Ala	Asp	Xaa	Xaa	Xaa	Tyr	Ala	Met	Asp
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Val

<210> 4
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<220>
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<210> 5
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<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 5

Val	Trp	Cys	Arg	Ala	Asp	Arg	Arg	Cys
1				5				

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 6

Val	Trp	Cys	Arg	Ala	Asp	Lys	Arg	Cys
1				5				

<210> 7

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 7

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 8
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 8

Val Arg Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 9
<211> 72
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<213> Artificial Sequence

<220>
<223> primer neo-rad-f

<220>
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<222> (25,26,28,29,31,32,43,44,46,47,49,50)
<223> n represents a, g, c, or t

<400> 9

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gacgtctggg gc 72

<210> 10
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<212> DNA
<213> Artificial Sequence

<220>
<223> primer dpseq

<400> 10

agaagcgtag tccggaacgt c 21

<210> 11
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47N-term

<400> 11

gctgcccaac cagccatggc cgaggtgcag ctgttggagt ctgggggagg cttggta 57

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<220>
<223> primer DP-47FR3

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<220>
<223> primer lead-VH

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<223> primer dp-EX

<400> 14

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<223> primer ompseq

<400> 15

aagacagcta tcgcgattgc agtg

<210> 16
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<220>
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ggccatggct ggttgggcag c

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<212> DNA
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gaggaggagg aggaggaggc ggggcccagg cggccgagct c

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<213> Artificial Sequence

<220>
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<400> 18
ggccatggct ggttgggcag c

<210> 19
<211> 9
<212> PRT
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<400> 19
Thr His Ser Arg Ala Asp Arg Arg Glu
1 5

24

21

41

21

<210> 20
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<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 20

Val Val Cys Asp Ala Arg Arg Arg Cys
1 5

<210> 21
<211> 9
<212> PRT
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<220>
<223> inversed RAD motif peptide

<400> 21

Thr His Ser Asp Ala Arg Arg Arg Glu
1 5

<210> 22
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<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

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Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif peptide

<400> 23

Cys Arg Ala Asp Val Pro Leu Cys
1 5

<210> 24

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> RAD motif peptide

<400> 24

Cys Met Ser Arg Ala Asp Arg Pro Cys
1 5

<210> 25

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 25

Val Arg Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 26

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 26

Val Arg Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 27

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 27

Val	Arg	Val	Trp	Cys	Arg	Ala	Asp	Lys	Arg	Cys	Tyr	Ala	Met	Asp
1				5					10					15

Val

<210> 28

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 28

Val	Gly	Val	Val	Cys	Arg	Ala	Asp	Arg	Arg	Cys	Tyr	Ala	Met	Asp
1				5					10					15

Val

<210> 29

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 29

Val	Gly	Val	Val	Cys	Arg	Ala	Asp	Lys	Arg	Cys	Tyr	Ala	Met	Asp
1				5					10					15

Val

<210> 30

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 30

Val	Gly	Val	Trp	Cys	Arg	Ala	Asp	Arg	Arg	Cys	Tyr	Ala	Met	Asp
1				5					10					15

Val

<210> 31

<211> 16

<212> PRT

<213> Artificial Sequence

Val Arg Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp

<220>

<223> CDR consensus part

<400> 31

Val	Gly	Val	Trp	Cys	Arg	Ala	Asp	Lys	Arg	Cys	Tyr	Ala	Met	Asp
1				5					10					15
Val														

<210> 32

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD87 part

<400> 32

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

<210> 33

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD9 part

<400> 33

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys

				65						70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	
				80						85				90	
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp	
				95						100				105	
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr			
				110						115					

<210> 34
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD12 part

<400> 34

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	
1				5					10					15	
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser	
				20					25					30	
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	
				35					40					45	
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala	
				50					55					60	
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	
				65					70					75	
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	
				80					85					90	
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp	
				95					100					105	
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr			
				110						115					

<210> 35
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD34 part

<400> 35

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	
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Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser	
				20					25					30	
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	
				35					40					45	
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala	
				50					55					60	
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	
				65					70					75	

Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
80 85 90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
95 100 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

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<212> PRT
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<220>
<223> RAD3 part

<400> 36

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
20 25 30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
65 70 75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
80 85 90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
95 100 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

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<212> PRT
<213> Homo sapiens

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<400> 37

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
20 25 30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln
65 70 75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr

80	85	90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp		
95	100	105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr		
110	115	

<210> 38
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD88 part

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Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser		
20	25	30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu		
35	40	45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala		
50	55	60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln		
65	70	75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr		
80	85	90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp		
95	100	105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr		
110	115	

<210> 39
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<220>
<223> RAD1 part

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly		
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Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser		
20	25	30
Phe Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu		
35	40	45
Glu Trp Val Ser Gly Val Ser Ser Ser Gly Ile Thr Thr Tyr Tyr		
50	55	60
Ala Ala Ser Val Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser		
65	70	75
Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp		
80	85	90

Thr Ala Val Tyr Tyr Cys Ala Arg Val Arg Thr His Ser Arg Ala
95 100 105
Asp Arg Arg Glu Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

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Arg Ala Asp
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Arg Tyr Asp
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<210> 43
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD1 part

<400> 43

Thr His Ser Arg Ala Asp Arg Arg Glu
1 5

<210> 44
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<212> PRT
<213> Homo sapiens

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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 45
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<213> Homo sapiens

<220>
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<400> 45

Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

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<220>
<223> RAD9 part

<400> 46

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 47
<211> 9
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<213> Homo sapiens

<220>
<223> RAD11 part

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Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 48
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<213> Homo sapiens

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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 49
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<220>
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Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 50
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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 51
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Val Val Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 52
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Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

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1 5 10 15
Met Asp Val

<210> 54
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<212> PRT
<213> Homo sapiens

<220>